

# EUROPEAN PATENT OFFICE

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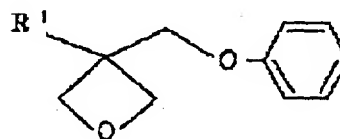
APPLICATION DATE : 31-10-97  
APPLICATION NUMBER : 09316401

APPLICANT : TOAGOSEI CO LTD;

INVENTOR : JITSUMATSU TETSUJI;

INT.CL. : C08L 63/00 C08G 59/68 C08K 5/15

TITLE : ACTIVE ENERGY RAY-CURING TYPE  
COMPOSITION



ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject composition having a low viscosity, providing a cured material more flexible than ever by including a specific oxetane compound, a specific epoxy group-containing compound and a cationic polymerization photoinitiator.

SOLUTION: The objective compound includes (A) an oxetane compound of the formula (R<sup>1</sup> is methyl or ethyl), (B) a compound having two or more epoxy groups in a molecule and selected from an aromatic epoxide, an alicyclic epoxy compound or an aliphatic epoxy compound, (C) a cationic polymerization photoinitiator, preferably a diaryliodonium salt, a triarylsulfonium salt or the like and (D) optionally a monofunctional epoxy compound, an oxetane compound other than the component A, a cation-reactive compound, an inorganic filler, a dyestuff, a pigment, a viscosity modifier, a photosensitizer or the like. As the containing proportion, the content of the component A is 5-99 pts.wt. based on 100 pts.wt. total amount of components A and B and the content of the component C is preferably 0.1-20 wt.% based on the total amount of the components A and B.

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